



Weather and climate extremes in a changing climate. Regions of focus: North America, Hawaii, Caribbean, and U.S. Pacific islands

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Abstract:

Changes to weather and climate extremes are likely to become the most vivid and disruptive manifestations of climate change over the course of this century. While it is already understood that human-induced global warming increases the intensity and occurrence of extreme temperatures and precipitation, evidence suggests that hurricanes will also become more ferocious as the world warms. This report constitutes the first specific assessment of observed and projected changes in weather and climate extremes across North America--it details what is already known about extreme climate and weather, explains the understood causes of those events, offers projections of future weather and climate extremes, and suggests how scientific efforts can be better directed to increase understanding of this subject.

Source: <http://downloads.globalchange.gov/sap/sap3-3/sap3-3-final-all.pdf>

Resource Description

Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience: ☒

audience to whom the resource is directed

Policymaker

Exposure : ☒

weather or climate related pathway by which climate change affects health

Extreme Weather Event, Temperature

Extreme Weather Event: Drought, Flooding, Hurricanes/Cyclones

Climate Change and Human Health Literature Portal

Temperature: Extreme Cold, Extreme Heat

Geographic Feature: ☐

resource focuses on specific type of geography

None or Unspecified

Geographic Location: ☐

resource focuses on specific location

Non-United States, United States

Non-United States: Australasia, Non-U.S. North America

Health Impact: ☐

specification of health effect or disease related to climate change exposure

General Health Impact, Injury

Mitigation/Adaptation: ☐

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type: ☐

format or standard characteristic of resource

Research Article, Review

Timescale: ☐

time period studied

Time Scale Unspecified

Vulnerability/Impact Assessment: ☐

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content